



AGRICULTURAL SOLUTIONS: FLOAT VALVE SYSTEM

The Sentinel Float Valve System takes the hassle out of maintaining water levels and handling chemical injection. It's designed to save you time, cut down on maintenance costs, and help you maximize your profits. Whether you need a fill rate as low as 1 GPM or as high as 64 GPM, this system has you covered. When paired with DEMA proportioners and injectors, it makes mixing chemicals safe, simple, and dependable. With the Sentinel, water and chemical management becomes easier and more efficient than ever.

Features & Benefits

- Multiple GPM fill rates available
- Chemical injection models available
- Integrated backflow prevention available on some models



540.23BT.ACID



537PN



540.057.T



537P.21

MODEL	FLOW RATE	INDUCTION		BACK FLOW	ON/OFF
CHEMICAL INJECTION SYSTEMS	(GPM AT 40 PSI)	MIN	MAX	PROTECTION	VALVE
540.22T	4.0	430:1	4:1	No	Yes
540.23T	4.0	430:1	4:1	Action Gap	Yes
540.23BT	4.0	387:1	7:1	Action Gap	Yes
540.23BT.ACID	4.0	387:1	7:1	Action Gap	Yes
540.24	2.5	195:1	2:1	Action Gap	Yes
537P.21	22.0	1828:1	14:1	Siphon Breaker	No
WATER FILL VALVE SYSTEMS					
540N	6.0	N/A	N/A	No	Yes
537PN	64.0	N/A	N/A	No	No
SENTINEL & ROCKET					
540.057.T	0.5	128:1	2:1	No	Yes
540.086.T	1.1	268:1	2:1	No	Yes
540.125.T	2.1	510:1	4:1	No	Yes

All models are able to be customized to meet specific needs of each application. Additional barb fittings available (90°, dual, straight, 1/4", 3/8").

HYDRO*	DEMA	MOUNTING BRACKET	DILUTION				FLOW RATE	
			MIN		MAX		Hydro	DEMA
			Hydro	DEMA	Hydro	DEMA		
506	540.22T	Yes	240:1	430:1	4:1	4:1	4.5 GPM	4.0 GPM
507	540.22TZ**	No	240:1	430:1	4:1	4:1	4.5 GPM	4.0 GPM
511	540.23T	Yes	240:1	430:1	4:1	4:1	4.5 GPM	4.0 GPM
512	540.23TX**	No	240:1	430:1	4:1	4:1	4.5 GPM	4.0 GPM
5111	540.23BT	Yes	400:1	387:1	3:1	7:1	4.5 GPM	4.0 GPM
515	540.24	Yes	100:1	195:1	1:1	2:1	1.5 GPM	2.5 GPM
563	537P.21	Yes	1200:1	1828:1	8:1	14:1	25.0 GPM	22.0 GPM
502	540N	Yes	--	--	--	--	6.8 GPM	6.0 GPM
503	540NX**	No	--	--	--	--	6.8 GPM	6.0 GPM
572	537PN	Yes	--	--	--	--	44.0 GPM	64.0 GPM
573	537PNX**	No	--	--	--	--	44.0 GPM	64.0 GPM

* Other models cross-referenced upon request

** Adding X to the end of part number removes U-Bracket and thumbscrews for custom installation of product



540.24



537PN



540.23T

SMALL TIPS 1/4" BARB (5111 and 540.23BT)		
HYDRO MINDER TIP	DEMA TIP	DILUTION RATIO
Red	Grey	13:1
White	Purple	17:1
Blue	Black	28:1
Tan	Yellow	42:1
Orange	Blue	60:1
Brown	Green	74:1
Yellow	Red	93:1
Aqua	Brown	128:1
Purple	Pink	165:1
Pink	Tan	387:1

LARGE TIPS 3/8" BARB (506, 507, 511, 512 and 540.22T, 540.23T)		
HYDRO MINDER TIP	DEMA TIP	DILUTION RATIO
Grey	Tan	5:1
Black	Light Blue	6:1
Beige	Orange	7:1
Red	Red	18:1
White	Grey	23:1
Blue	Black	29:1
Tan	Turquoise	34:1
Orange	Pink	54:1
Brown	Green	77:1
Yellow	Yellow	100:1
Pink	Purple	265:1



DEMA Engineering Company

10020 Big Bend Road
St. Louis, MO 63122 U.S.A

Tel: 314-966-3533
Fax: 314-965-8319



ag.demaeng.com



sales@demaeng.com